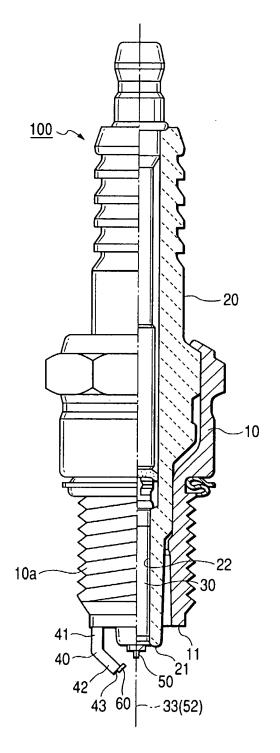


FIG. 1



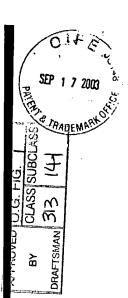
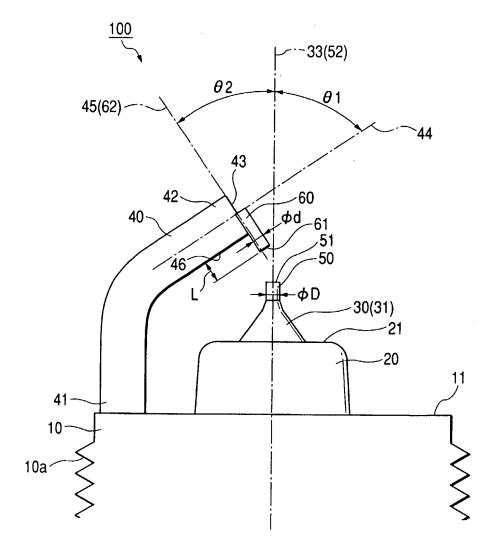
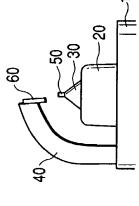
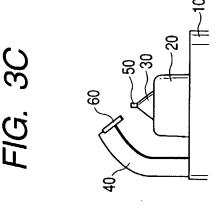


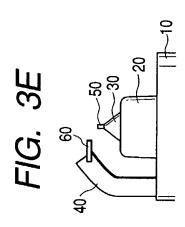
FIG. 2

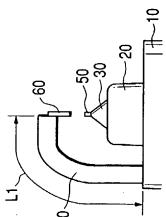












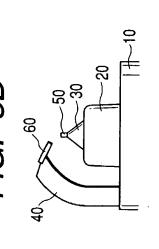




FIG. 4

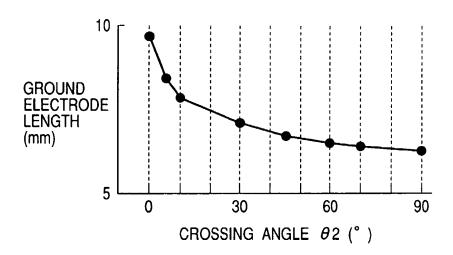
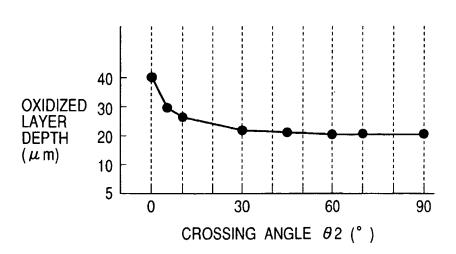
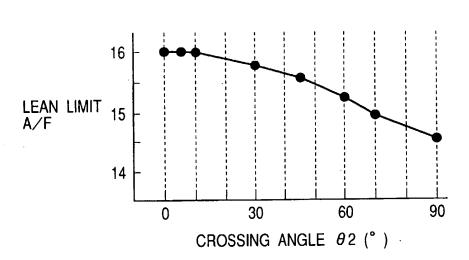


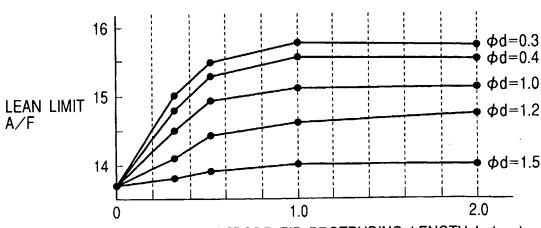
FIG. 5



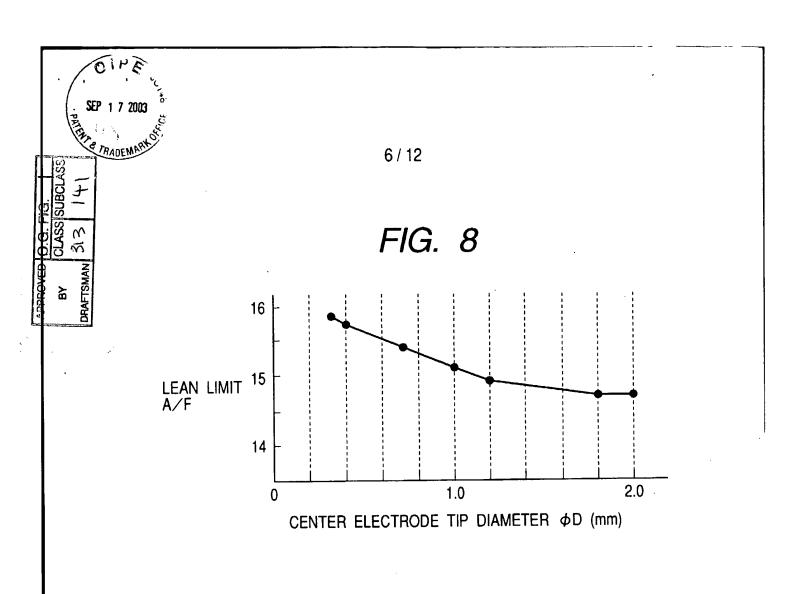




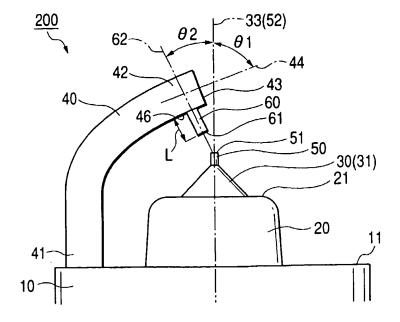




GROUND ELECTRODE TIP PROTRUDING LENGTH L (mm)











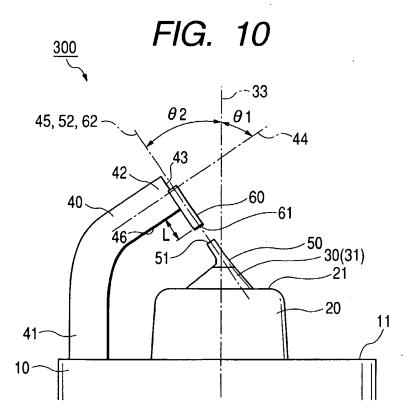


FIG. 11

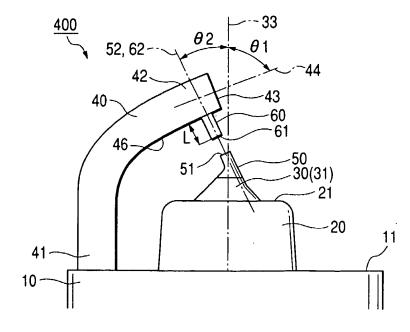




FIG. 12

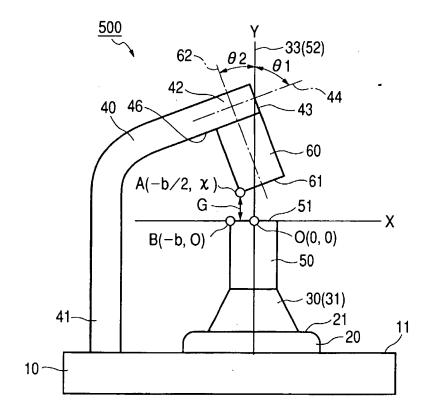
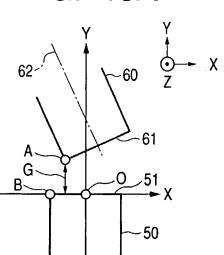




FIG. 13A FIG. 13B



33(52)

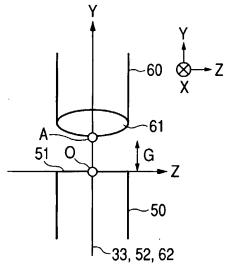
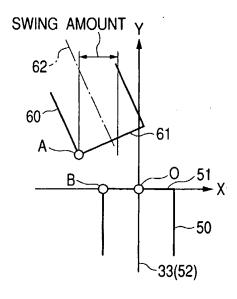


FIG. 13C FIG. 13D



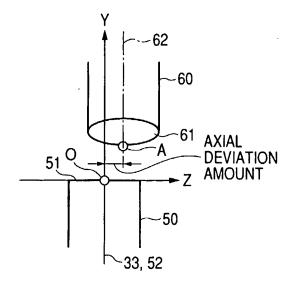
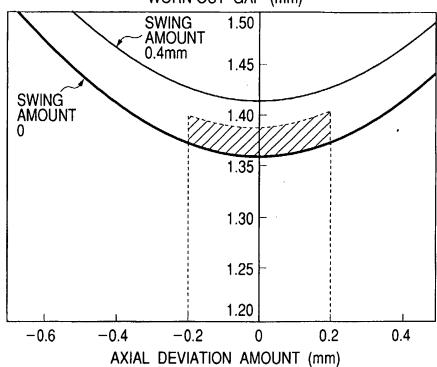
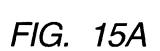




FIG. 14

WORN-OUT GAP (mm)





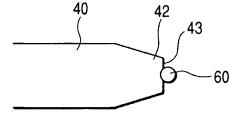
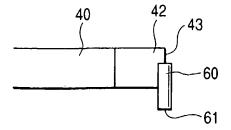


FIG. 15B



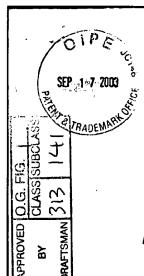


FIG. 19A PRIOR ART

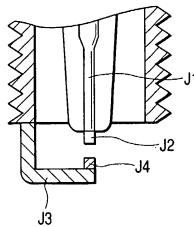


FIG. 19B PRIOR ART

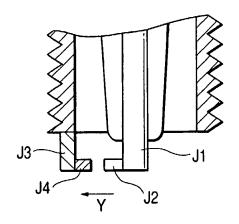


FIG. 20 PRIOR ART

